

Listing of Claims:

- [c1] (Original) A directional drilling system, comprising:
a casing string;
a casing latch disposed inside the casing string proximate a lower end of the casing string
and coupled to the casing string;
a rotary steerable system disposed inside the casing string and coupled to the casing latch;
and
a drill bit operatively coupled to the rotary steerable system.
- [c2] (Original) The directional drilling system of claim 1, further comprising an underreamer
disposed below the casing string and above the drill bit, and coupled to the rotary
steerable system.
- [c3] (Original) The directional drilling system of claim 1, wherein a bottom end of the casing
string comprises a casing shoe cutter.
- [c4] (Original) The directional drilling system of claim 4, wherein the casing shoe cutter
comprises a wear resistant coating.
- [c5] (Original) The directional drilling system of claim 4, wherein the casing shoe cutter
comprises cutting inserts.
- [c6] (Original) The directional drilling system of claim 1, wherein the rotary steerable system
comprises a push-the-bit system.
- [c7] (Original) The directional drilling system of claim 1, further comprising a measurement
while drilling collar disposed between the rotary steerable system and the casing latch,
and coupled to the casing latch and the rotary steerable system.
- [c8] (Original) The directional drilling system of claim 1, wherein a lower section of the
casing string comprises a non-magnetic material.

- [c9] (Original) The directional drilling system of claim 1, wherein the casing latch is an articulating casing latch.
- [c10] (Original) A method of directional drilling, comprising:
rotating a drill bit disposed at a lower end of a casing string; and
changing the direction of the drill bit by pushing against an inside of the casing string
with a rotary steerable system disposed inside the casing string.
- [c11] (Original) The method of claim 10, further comprising enlarging a pilot hole drilled by the drill bit using an underreamer coupled to the casing string.
- [c12] (Original) The method of claim 10, wherein a bottom end of the casing string comprises a casing shoe cutter and further comprising enlarging a pilot hole drilled by the drill bit using the casing shoe cutter.
- [c13] (Original) The method of claim 10, further comprising collecting data related to formation properties using instruments disposed in a measurement while drilling collar.